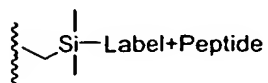


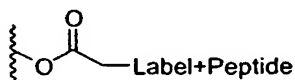
Fig. 1

FIGURE 2

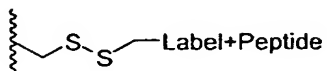
Examples of Cleavable Linkers

Si-Carbon cleavages

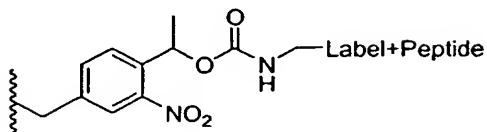
(where "Label" is aryl)

Cleaved by Br, I, DMF/DMSO+H₂O and heatNucleophilic cleavages

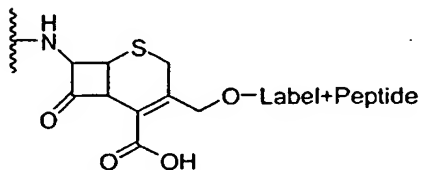
Cleaved by nucleophiles (e.g. hydrazine, ethylamine, etc.)

Redox cleavages

Cleaved by oxidizing or reducing agents (e.g. BME, DTT, DMSO/Heat, etc.)

Photochemical cleavages

Cleaved by irradiation

Enzymatic cleavages

Cleaved by substrate-specific enzymes (e.g. beta-lactamase, glycosidases, lipases, etc.)

Label = ¹³C, ¹⁵N, ²H, etc. on alkyl, aryl, etc.

FIG. 3

Use of Arylboronic Acids for Protein Quantification

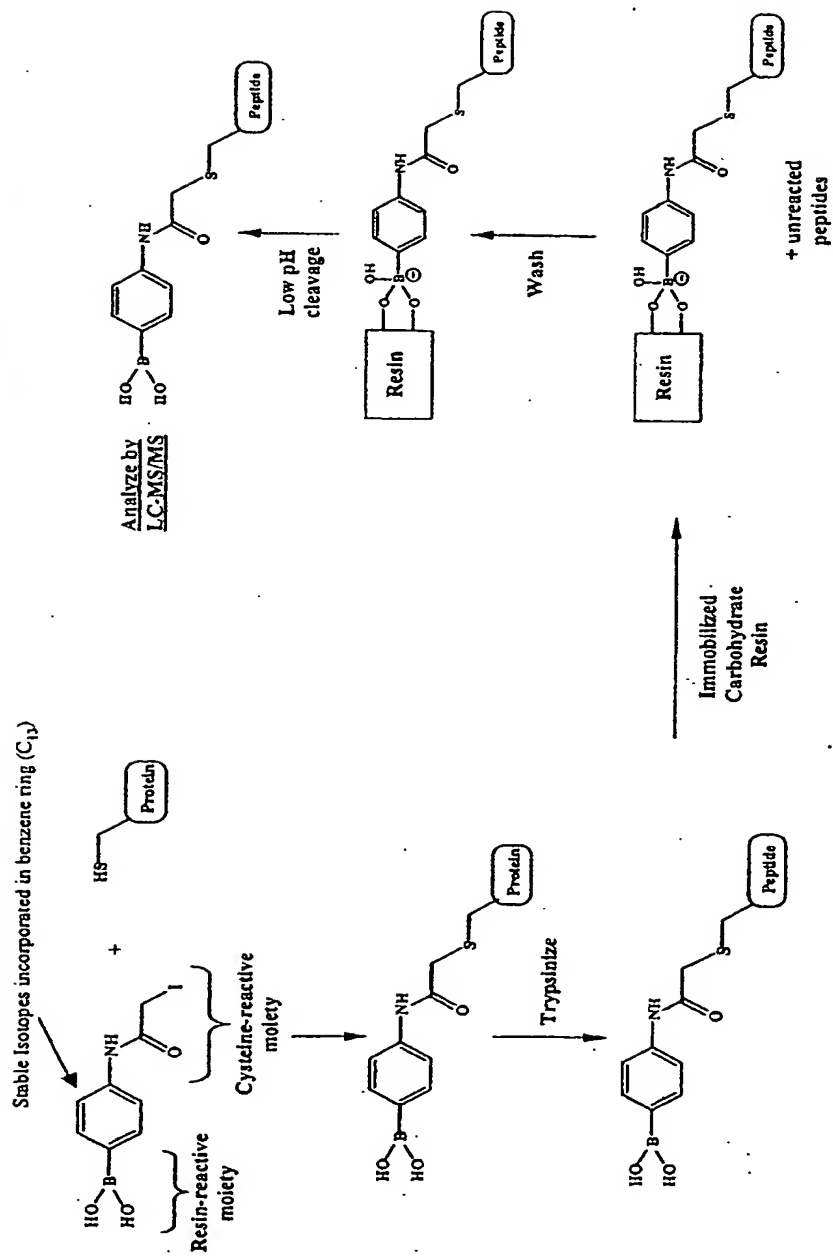


FIGURE 4

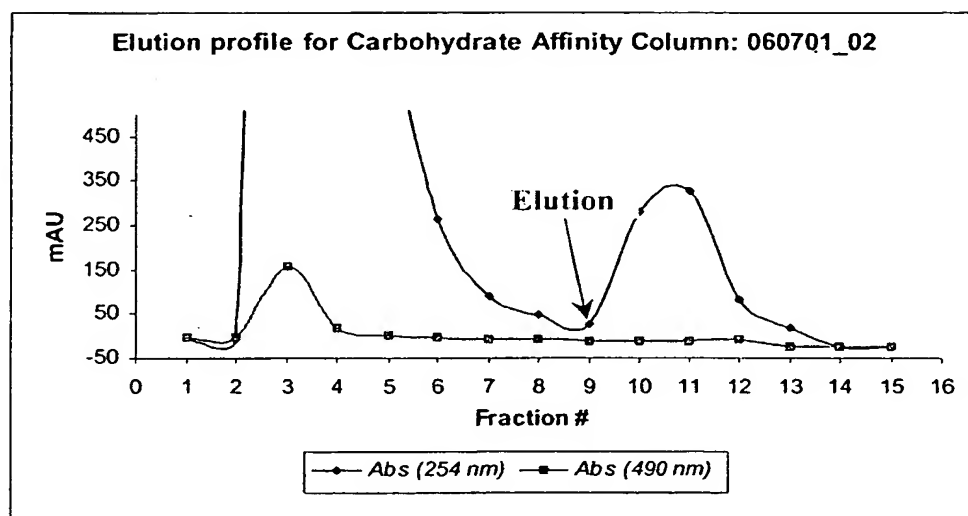
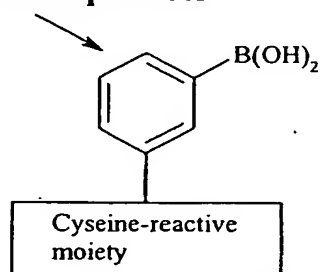


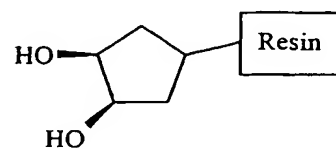
Figure 5

5A Two Strategies For Capturing And Labeling Cysteine-Containing Peptides

Carrier of isotopic label

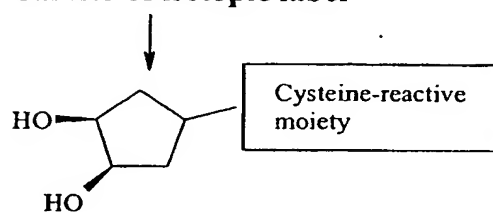


+



5B

Carrier of isotopic label



+

